			DD-	D-6: "	Dl ! =	Time Ct-
Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("5630138" "5758358" "5828885" "6260042").pn.	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:42
S2	116725	merg\$4	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:46
S3	31270	(mark adj up) or markup or mark-up	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S4	198330	language\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S5	126943	tag\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S6	42815	well adj form\$6	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S7	2767	wellform\$6 or well-form\$6	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S8	42830	S6 or S7	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S9	29748	S3 adj S4	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:47
S10	2038	start near3 tag\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:48
S11	5950	end near3 tag\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:48
S12	1570853	block\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:48
S13	347108	split\$5	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:48
S14	3	S2 and S5 and S8 and S9 and S10 and S11 and S12 and S13	US-PGPUB; USPAT	OR	OFF	2006/01/09 12:50
S15	5	S2 and S5 and S8 and S9 and S10 and S11 and S13	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03
S16	43	S2 and S5 and S8 and S9 and S10 and S11	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03
S17	1529650	merg\$3 or combin\$3	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03
S18	305501	document\$1	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03
S19	8188	S17 with S18	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03
S20	10	S16 and S19	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:03

						
S21	49	("6336124" "6732330" "6684204" "6931590" "5893127" "6426778" "6675353" "6763499" "6920607" "6959415" "6199081" "6088675" "6366934" "6421656" "6446113" "6480865" "6490564" "6519597" "6519617" "6523062" "6557043" "6571292" "6584459" "6635089" "6671853" "6779154" "6781609" "6785902" "6804677" "6825781" "6904562" "6925631" "6934740" "6938204" "6941510" "6941511" "5583762" "6098081" "6347323" "6848078" "6247018" "6061698" "6061698" "6061698" "6745208" "6886130").pn.	US-PGPUB; USPAT	OR	OFF	2006/01/09 13:24
S22	2184281	range\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:21
S23	187563	label\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:22
S24	7	(US-20030167446-\$ or US-20040268235-\$).did. or (US-6848078-\$ or US-6886130-\$ or US-6931590-\$ or US-6941511-\$ or US-6560616-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:22
S25	3	S22 and S24	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
S26	0	S23 and S25	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:22
S27	0	S23 and S24	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:22
S28	118196	merg\$3	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
S29	313941	document\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
S30	869	start adj tag\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
S31	1829	end adj tag\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
532	734179	match\$4	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
S33	3915689	block\$1 or section\$1 or portion\$1 or segment\$1	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27
534	352359	split\$5	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:27

S35	509437	overlap\$5	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:28
S36	1970	S28 with S29	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:28
S37	1	S30 and S31 and S32 and S33 and S34 and S35 and S36	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:37
S38	4	S30 and S31 and S32 and S33 and S34 and S36	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:58
S39	2838	wellform\$6 or well-form\$6	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:58
S40	0	S38 and S39	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:58
S41	36933	well adj form\$3	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:59
S42	1	S38 and S41	US-PGPUB; USPAT	OR	OFF	2006/02/23 10:59
S43	118862	merg\$5	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:41
S44	314335	document\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:41
S45	54922	markup\$1 or mark-up\$1 or (mark adj up\$1) or HTML or XML or SGML	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:42
S46	357	S43 same S44 same S45	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:42
S47	1775960	source\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:42
S48	611144	destination\$1 or target\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S49	2757197	split\$5 or separat\$4	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S50	729815	start	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S51	2954006	end	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S52	130492	tag\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S53	42842	well-form\$5 or wellform\$5 or (well adj form\$5)	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:43
S54	213	S49 same S50 same S51 same S52	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:44
S55	. 0	S46 and S48 and S47 and S53 and S54	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:45

S56	0	S46 and S48 and S47 and S54	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:44
S57	10	S46 and S48 and S47 and S53 and S49 and S50 and S51 and S52	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:48
S58	0	S46 and S48 and (S49 same (S50 with S52)) and (S49 same (S51 with S52)) and S53	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:49
S59	0	S46 and S48 and (S49 same (S50 with S52)) and (S49 same (S51 with S52))	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:50
S60		S46 and S48 and (S49 same (S50 same S52)) and (S49 same (S51 same S52))	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:50
S61	13	S46 and S48 and (S49 and (S50 same S52)) and (S49 and (S51 same S52))	US-PGPUB; USPAT	OR	OFF	2006/02/28 07:50
S62	1	("20010018697").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:49
S63	176756	duplicat\$4	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:49
S64	4557	start with tag\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:49
S65	13357	end with tag\$1	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:50
S66	9	S63 same S64 same S65	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:50
S67	1	S62 and S66	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:53
S68	3016946	order\$2	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:53
S69	257489	copy\$3	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:53
S70	118760	merg\$4	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:54
S71	464	S68 same S69 same S70	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:54
S72	0	S62 and S71	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:54
S73	42321	S68 same S69	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:54
S74	1	S73 and S62	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:58
S75	405554	label\$3	US-PGPUB; USPAT	OR	OFF	2006/02/28 08:58

S76	1	S62 and S75	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:08
S77	1042467	identical	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:08
S78	1	S62 and S77	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:08
S79	2506	(715/513).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:43
S80	1053	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/28 09:43

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Information retrieval: Knowledge-based extraction of named entities

Jamie Callan, Teruko Mitamura

window

November 2002 Proceedings of the eleventh international conference on Information and knowledge management

Publisher: ACM Press

Full text available: pdf(124.65 KB) Additional Information: full citation, abstract, references, index terms

The usual approach to named-entity detection is to learn extraction rules that rely on linguistic, syntactic, or document format patterns that are consistent across a set of documents. However, when there is no consistency among documents, it may be more effective to learn document-specific extraction rules. This paper presents a knowledgebased approach to learning rules for named-entity extraction. Document-specific extraction rules are created using a generate-and-test paradigm and a database ...

Keywords: named-entity extraction

An automated approach for retrieving hierarchical data from HTML tables



Seung-Jin Lim, Yiu-Kai Ng

November 1999 Proceedings of the eighth international conference on Information and knowledge management

Publisher: ACM Press

Full text available: pdf(1.74 MB)

Additional Information: full citation, abstract, references, citings, index terms

Among the HTML elements, HTML tables [RHJ98] encapsulate hierarchically structured data (hierarchical data in short) in a tabular structure. HTML tables do not come with a rigid schema and almost any forms of two-dimensional tables are acceptable according to the HTML grammar. This relaxation complicates the process of retrieving hierarchical data from HTML tables. In this paper, we propose an automated approach for retrieving hierarchical data from HTML tables. The proposed approach constr ...

Document Formatting Systems: Survey, Concepts, and Issues

Richard Furuta, Jeffrey Scofield, Alan Shaw

September 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(5.36 MB)

Additional Information: full citation, references, citings, index terms

4 JANUS: An interactive system for document composition



Donald D. Chamberlin, James C. King, Donald R. Slutz, Stephen J.P. Todd, Bradford W. Wade June 1981 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLAN SIGOA symposium on Text manipulation, Volume 16 Issue 6

Publisher: ACM Press

Full text available: pdf(1.09 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

This paper describes the architecture of a proposed document composition system named JANUS, which is intended to provide support for authors of complex documents containing mixtures of text, line art, and tone art. The JANUS system is highly interactive, providing authors with immediate feedback and direct electronic control over page layouts, using a special two-display workstation. Authors communicate with the system by marking up their documents with high-level descriptive "tags&r ...

5 Information access and retrieval: Structured information retrieval in XML documents
Evangelos Kotsakis



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March 2002 Proceedings of the 2002 ACM symposium on Applied computing

Publisher: ACM Press

Full text available: pdf(463.73 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

Query languages that take advantage of the XML document structure already exist. However, the systems that have been developed to query XML data explore the XML sources from a database perspective. This paper examines an XML collection from the viewpoint of Information Retrieval (IR). As such, we view the XML documents as a collection of text documents with additional tags and we attempt to adapt existing IR techniques to achieve more sophisticated search on XML documents. We employ a class of $\mathbf{q} \dots$

Keywords: XML information retrieval, full text searching, semistructured data indexing, web data indexing

6 Re-engineering structures from Web documents



Chuang-Hue Moh, Ee-Peng Lim, Wee-Keong Ng

June 2000 Proceedings of the fifth ACM conference on Digital libraries

Publisher: ACM Press

Full text available: pdf(180.95 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> <u>terms</u>

To realize a wide range of applications (including digital libraries) on the Web, a more structured way of accessing the Web is required and such requirement can be facilitated by the use of XML standard. In this paper, we propose a general framework for reverse engineering (or re-engineering) the underlying structures i.e., the DTD from a collection of similarly structured XML documents when they share some common but unknown DTDs. The essential data structures and algorithms for ...

Keywords: Web information discovery, XML

7 A fine-grained access control system for XML documents



Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati
May 2002 ACM Transactions on Information and System Security (TISSEC), Volume 5
Issue 2

Publisher: ACM Press

Full text available: pdf(330.60 KB)

Additional Information: full citation, abstract, references, citings, index terms

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce transactions, require the definition and enforcement of security controls, ensuring that information will be accessible only to authorized entities. Different approaches have been proposed that address the problem of protecting information in a Web ...

Keywords: Access control, World Wide Web, XML documents, authorizations specification and enforcement

8 Opentag and TMX: XML in the localization industry

William Burns, Walter Smith

September 1998 Proceedings of the 16th annual international conference on Computer documentation

Publisher: ACM Press

Full text available: pdf(443.96 KB) Additional Information: full citation, references, index terms

9 INFO: a simple document annotation facility

Scott Tilley, Hausi Müller
October 1991 Proceedings of the 9th annual international conference on Systems
documentation

Publisher: ACM Press

Full text available: pdf(619.22 KB) Additional Information: full citation, references, citings, index terms

10 XML and text: XRANK: ranked keyword search over XML documents

Lin Guo, Feng Shao, Chavdar Botev, Jayavel Shanmugasundaram
June 2003 Proceedings of the 2003 ACM SIGMOD international conference on
Management of data

Publisher: ACM Press

Full text available: pdf(265.38 KB)

Additional Information: full citation, abstract, references, citings, index terms

We consider the problem of efficiently producing ranked results for keyword search queries over hyperlinked XML documents. Evaluating keyword search queries over hierarchical XML documents, as opposed to (conceptually) flat HTML documents, introduces many new challenges. First, XML keyword search queries do not always return entire documents, but can return deeply nested XML elements that contain the desired keywords. Second, the nested structure of XML implies that the notion of ranking is no l ...

11 Document architecture and text formatting

Arno J. H. Peels, Norbert J. M. Janssen, Wop Nawijn

October 1985 ACM Transactions on Information Systems (TOIS), Volume 3 Issue 4

Publisher: ACM Press

Full text available: pdf(1.67 MB)

Additional Information: full citation, abstract, references, citings, index terms

The formalization of the architecture of documents and text formatting are the central issues of this paper. Besides a fundamental and theoretical approach toward these topics,

an overview is presented of the COBATEF system. The COBATEF system is a contextbased text formatting system, for which a software, as well as a hardware, implementation is available. A unique feature of the system is its automatic text-element recognition mechanism, which is context based and consequently ...

12 Trigger-pair predictors in parsing and tagging

Ezra Black, Andrew Finch, Hideki Kashioka

August 1998 Proceedings of the 17th international conference on Computational linguistics - Volume 1, Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1

Publisher: Association for Computational Linguistics , Association for Computational Linguistics

Full text available: pdf(696.41 KB)

Additional Information: full citation, abstract, references

In this article, we apply to natural language parsing and tagging the device of trigger-pair predictors, previously employed exclusively within the field of language modelling for speech recognition. Given the task of predicting the correct rule to associate with a parsetree node, or the correct tag to associate with a word of text, and assuming a particular class of parsing or tagging model, we quantify the information gain realized by taking account of rule or tag trigger-pair predictors, i.e ...

13 Structured answers for a large structured document collection

Michael Fuller, Eric Mackie, Ron Sacks-Davis, Ross Wilkinson

July 1993 Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval

Publisher: ACM Press

Full text available: pdf(1.09 MB)

Additional Information: full citation, abstract, references, citings, index terms

There is a simple method for integrating information retrieval and hypertext. This consists of treating nodes as isolated documents and retrieving them in order of similarity. If the nodes are structured, in particular, if sets of nodes collectively constitute documents, we can do better. This paper shows how the formation of the hypertext, the retrieval of nodes in response to content based queries, and the presentation of the nodes can be achieved in a way that exploits the knowledge enco ...

14 Is universal document exchange in our future?

Louis M. Gomez, Donald F. Pratt, Mark R. Buckley

October 1988 Proceedings of the 6th annual international conference on Systems documentation

Publisher: ACM Press

Full text available: pdf(824.12 KB) Additional Information: full citation, index terms

15 Poster papers: Discovering informative content blocks from Web documents

Shian-Hua Lin, Jan-Ming Ho

July 2002 Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM Press

Full text available: pdf(692.97 KB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper, we propose a new approach to discover informative contents from a set of tabular documents (or Web pages) of a Web site. Our system, InfoDiscoverer, first partitions a page into several content blocks according to HTML tag <TABLE> in a Web page. Based on the occurrence of the features (terms) in the set of pages, it calculates

entropy value of each feature. According to the entropy value of each feature in a content block, the entropy value of the block is defined. By analyz ...

Keywords: entropy, information extraction, information retrieval, informative content discovery

16 Workshop: Documenting software systems with views II: an integrated approach



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based on XML

Jochen Hartmann, Shihong Huang, Scott Tilley

October 2001 Proceedings of the 19th annual international conference on Computer documentation

Publisher: ACM Press

Full text available: pdf(785.71 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

Software engineers rely on program documentation as an aid in understanding the functional nature, high-level design, and implementation details of complex applications. Without such documentation, engineers are forced to rely solely on source code. This is a time-consuming and error-prone process, especially when one considers the amount of information assimilation and domain mapping that is required to understand the architecture of a large-scale software system. This paper describes an integr ...

Keywords: MSR MEDOC, XML, reverse engineering, software documentation

17 Interactive mathematics via the Web using MathML



Francis J. Wright

June 2000 ACM SIGSAM Bulletin, Volume 34 Issue 2

Publisher: ACM Press

Full text available: pdf(1.07 MB)

Additional Information: full citation, abstract, index terms

MathML is a mathematical markup language intended for displaying mathematics in web browsers. At present, it can be used to display mathematics generated dynamically in response to interactive queries only if the browsing and generating facilities are chosen carefully. This paper examines the background and possible options, and describes some of the details of the use of MathML to display the output from a web-based demonstration of an ordinary differential equation solver running in REDUCE ...

18 Design technologies: Reading source code



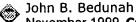
October 1991 Proceedings of the 1991 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(988.89 KB) Additional Information: full citation, abstract, references, citings

Source code is, among other things, a text to be read. In this paper I argue that reading source code is a key activity in software maintenance, and that we can profitably apply experiences and reading systems from text databases to the problem of reading source code. Three prototype systems are presented, and the main features of their design are discussed.

19 XML: the future of the Web



November 1999 Crossroads, Volume 6 Issue 2

Publisher: ACM Press

Full text available: html(36.32 KB) Additional Information: full citation, index terms

20 An efficient and lightweight embedded Web server for Web-based network element



management

Hong-Taek Ju, Mi-Joung Choi, James W. Hong

September 2000 International Journal of Network Management, Volume 10 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(428.26 KB) Additional Information: full citation, abstract, references, index terms

An Embedded Web Server (EWS) is a Web server which runs on an embedded system with limited computing resources to serve embedded Web documents to a Web browser. By embedding a Web server into a network device, it is possible to provide a Web‐based management user interface, which are user‐friendly, inexpensive, cross‐platform, and network‐ready. This article explores the topic of an efficient and lightweight embedded Web server for Web‐based netw ...

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